

**BEST AVAILABLE COPY****In the Claims:**

Please cancel claims 1, 5, 16, 26, 30, and 42. Please amend claims 2-4, 6-11, 13-14, 17-24, 27-29, 31-36, 38-39, 41, 43-50, and 52-55. The claims are as follows:

1. (Canceled)
2. (Currently amended) The system of claim ~~[[1]]~~ 4, wherein the dataset is a non-SAP-formatted dataset.
3. (Currently amended) The system of claim ~~[[1]]~~ 4, wherein the dataset is a SAP-formatted dataset.
4. (Currently amended) ~~The system of claim 1~~ A system for generating a report by a reporting tool of a SAP business information system using data included within an Aspect file, said system comprising a non-SAP bridge program adapted to generate the Aspect file through use of data derived from a dataset and to transmit the Aspect file to the SAP business information system, wherein the SAP business information system comprises a ~~[[n]]~~ SAP Executive Information System (EIS).
5. (Canceled).
6. (Currently amended) The system of claim ~~[[5]]~~ 10, wherein the bridge program is further

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adapted to cause the rollup records in the generated Aspect file to be sorted with respect to the keygroup.

7. (Currently amended) The system of claim [[5]] 10, wherein the dataset is a non-SAP-formatted dataset.

8. (Currently amended) The system of claim [[5]] 10, wherein the dataset is a SAP-formatted dataset.

9. (Currently amended) The system of claim [[5]] 10, wherein the bridge program is further adapted to generate a trace file that includes a representative rollup keyvalue of the keygroup and a pointer that points to a portion of the dataset, said portion being correlated with the representative rollup keyvalue.

10. (Currently amended) The system of claim 5 A system for generating a report by a reporting tool of a SAP business information system using data included within an Aspect file having rollup records, said system comprising a non-SAP bridge program adapted to generate the Aspect file through use of data derived from a dataset and to transmit the Aspect file to the SAP business information system, said dataset having a keygroup, wherein to generate the Aspect file includes to roll up a portion of the dataset with respect to the keygroup, wherein each rollup record has a rollup field and a quantity field, wherein the rollup field stores a rollup keyvalue of the keygroup, and wherein the quantity field stores the number of dataset records that have the same rollup

keyvalue, wherein the SAP business information system comprises a[[n]] SAP Executive Information System (EIS).

11. (Currently amended) The system of claim [[5]] 10, wherein the bridge program is further adapted to identify select records of the dataset in accordance with at least one selection rule applied to the dataset, and wherein the portion of the dataset includes the select records so identified.

12. (Original) The system of claim 11, wherein to identify the select records includes to accept as input a first date and a second date, wherein the first date is earlier than the second date, and wherein the selection rules do not permit identifying as a select record any record of the dataset having an effective date that is earlier than the first date or later than the second date.

13. (Currently amended) The system of claim [[5]] 10, wherein the dataset is selected from the group consisting of a table, a spreadsheet, and a combination thereof.

14. (Currently amended) The system of claim [[5]] 10, wherein the report relates to procurement data, and wherein the rollup records include the procurement data.

15. (Original) The system of claim 14, wherein the procurement data is selected from the group consisting of purchase order data, invoice data, and a combination thereof.

16. (Canceled)

17. (Currently amended) The system of claim [[16]] 23, wherein a first dataset of the N datasets is a non-SAP-formatted dataset.

18. (Currently amended) The system of claim [[16]] 23, wherein a first dataset of the N datasets is a SAP-formatted dataset.

19. (Currently amended) The system of claim [[16]] 23, wherein a first dataset of the N datasets and a second dataset of the N datasets have different formats.

20. (Currently amended) The system of claim [[16]] 23, wherein the datasets  $D_1, D_2, \dots, D_N$  have formats  $F_1, F_2, \dots, F_N$ , respectively, wherein the at least one bridge program comprises N bridge programs  $P_1, P_2, \dots, P_N$  respectively keyed to the formats  $F_1, F_2, \dots, F_N$  for respectively generating the Aspect files  $A_1, A_2, \dots, A_N$ .

21. (Currently amended) The system of claim [[16]] 23, wherein the datasets  $D_1, D_2, \dots, D_N$  have formats  $F_1, F_2, \dots, F_N$ , respectively, and wherein the at least one bridge program consists of one bridge program having logical paths  $L_1, L_2, \dots, L_N$  respectively keyed to the formats  $F_1, F_2, \dots, F_N$  for respectively generating the Aspect files  $A_1, A_2, \dots, A_N$ .

22. (Currently amended) The system of claim [[16]] 23, wherein the selection rules are the same

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for each of the N datasets.

23. (Currently amended) The system of claim 16; A system for generating a report by a reporting tool of a SAP business information system using and combining data included within N Aspect files  $A_1, A_2, \dots, A_N$  respectively having rollup records  $[R]_1, [R]_2, \dots, [R]_N$ , said N at least 2, said system comprising at least one non-SAP bridge program adapted to respectively generate the N Aspect files through use of data derived from select records  $[S]_1, [S]_2, \dots, [S]_N$  of N datasets  $D_1, D_2, \dots, D_N$  respectively, and to transmit the N Aspect files to the SAP business information system, said select records  $[S]_1, [S]_2, \dots, [S]_N$  having a common keygroup, wherein to generate the N Aspect files comprises, for  $I = 1, 2, \dots, \text{and } N$ :

to identify the select records  $[S]_I$  in accordance with selection rules applied to  $D_I$ ; and

to roll up the select records  $[S]_I$  with respect to the common keygroup, wherein the rollup records  $[R]_I$  corresponding to  $[S]_I$  have a rollup field and a quantity field, wherein the rollup field stores a rollup keyvalue of the select records  $[S]_I$ , wherein the quantity field stores the number of select records of  $[S]_I$  that have the same rollup keyvalue, and wherein the SAP business information system comprises a  $[n]$  SAP Executive Information System (EIS).

24. (Currently amended) The system of claim  $[[16]]$  23, wherein the report relates to procurement data, and wherein the rollup records  $[R]_1, [R]_2, \dots, [R]_N$  include the procurement data.

25. (Original) The system of claim 24, wherein the procurement data is selected from the group consisting of purchase order data, invoice data, and a combination thereof.

26. (Canceled)

27. (Currently amended) The method of claim [[26]] 29, wherein the dataset is a non-SAP-formatted dataset.

28. (Currently amended) The method of claim [[26]] 29, wherein the dataset is a SAP-formatted dataset.

29. (Currently amended) ~~The method of claim 26~~ A method for generating a report by a reporting tool of a SAP business information system using data included within an Aspect file, said method comprising executing a non-SAP bridge program, said executing including:

generating the Aspect file through use of data derived from a dataset; and

transmitting the Aspect file to the SAP business information system, wherein the SAP business information system comprises an SAP Executive Information System (EIS).

30. (Canceled)

31. (Currently amended) The method of claim [[30]] 35, wherein generating the Aspect file includes causing the rollup records in the generated Aspect file to be sorted with respect to the keygroup.

32. (Currently amended) The method of claim [[30]] 35, wherein the dataset is a non-SAP-

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formatted dataset.

33. (Currently amended) The method of claim [[30]] 35, wherein the dataset is a SAP-formatted dataset.

34. (Currently amended) The method of claim [[30]] 35, further comprising generating a trace file that includes a representative rollup keyvalue of the keygroup and a pointer that points to a portion of the dataset, said portion being correlated with the representative rollup keyvalue.

35. (Currently amended) ~~The method of claim 30~~ A method for generating a report by a reporting tool of a SAP business information system using data included within an Aspect file having rollup records, said method comprising:

providing a dataset having a keygroup; and

executing a non-SAP bridge program, including generating the Aspect file, said

generating comprising rolling up a portion of the dataset with respect to the keygroup, wherein

each rollup record has a rollup field and a quantity field, wherein the rollup field stores a rollup

keyvalue of the keygroup, and wherein the quantity field stores the number of dataset records that

have the same rollup keyvalue, wherein the SAP business information system comprises a[[n]]

SAP Executive Information System (EIS).

36. (Currently amended) The method of claim [[30]] 35, further comprising identifying select records of the dataset in accordance with at least one selection rule applied to the dataset, said

portion of the dataset including the select records so identified.

37. (Original) The method of claim 36, said identifying including accepting as input a first date and a second date, said first date earlier than said second date, said selection rules not permitting said identifying to identify as a select record any record of the dataset having an effective date that is earlier than the first date or later than the second date.

38. (Currently amended) The method of claim ~~[[30]]~~ 35, wherein the dataset is selected from the group consisting of a table, a spreadsheet, and a combination thereof.

39. (Currently amended) The method of claim ~~[[30]]~~ 35, wherein the report relates to procurement data, and wherein the rollup records include the procurement data.

40. (Original) The method of claim 39, wherein the procurement data is selected from the group consisting of purchase order data, invoice data, and a combination thereof.

41. (Currently amended) The method of claim ~~[[30]]~~ 35, further comprising:

transmitting the Aspect file to the SAP business information system where the Aspect file becomes a Temp file having the rollup records;

making a query to sum over the quantity field for a subset of the rollup records of the Temp file, wherein the subset is determined by the query, and wherein the query is adapted to being executed by a SAP module in the SAP computing environment; and



executing the query by the SAP module including returning a result of the query.

42. (Canceled)

43. (Currently amended) The method of claim [[42]] 49, wherein a first dataset of the N datasets is a non-SAP-formatted dataset.

44. (Currently amended) The method of claim [[42]] 49, wherein a first dataset of the N datasets is a SAP-formatted dataset.

45. (Currently amended) The method of claim [[42]] 49, wherein a first dataset of the N datasets and a second dataset of the N datasets have different formats.

46. (Currently amended) The method of claim [[42]] 49, wherein the datasets  $D_1, D_2, \dots, D_N$  have formats  $F_1, F_2, \dots, F_N$ , respectively, wherein the at least one bridge program comprises N bridge programs  $P_1, P_2, \dots, P_N$  respectively keyed to the formats  $F_1, F_2, \dots, F_N$  for respectively generating the Aspect files  $A_1, A_2, \dots, A_N$ .

47. (Currently amended) The method of claim [[42]] 49, wherein the datasets  $D_1, D_2, \dots, D_N$  have formats  $F_1, F_2, \dots, F_N$ , respectively, and wherein the at least one bridge program consists of one bridge program having logical paths  $L_1, L_2, \dots, L_N$  respectively keyed to the formats  $F_1, F_2, \dots, F_N$  for respectively generating the Aspect files  $A_1, A_2, \dots, A_N$ .

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48. (Currently amended) The method of claim [[42]] 49, wherein the selection rules are the same for each of the N datasets.

49. (Currently amended) The method of claim 42; A method for generating a report by a reporting tool of a SAP business information system using and combining data included within N Aspect files  $A_1, A_2, \dots, A_N$  respectively having rollup records  $[R]_1, [R]_2, \dots, [R]_N$ , said N at least 2, said method comprising providing N datasets  $D_1, D_2, \dots, D_N$  having a common keygroup, and for  $l = 1, 2, \dots$  and N executing a non-SAP bridge program, including:

identifying select records  $[S]_i$  of the dataset  $D_i$ , said identifying in accordance with selection rules applied to  $D_i$ ; and

rolling up the select records  $[S]_i$  with respect to the common keygroup, wherein the rollup records  $[R]_i$  corresponding to  $[S]_i$  have a rollup field and a quantity field, wherein the rollup field stores a rollup keyvalue of the select records  $[S]_i$ , wherein the quantity field stores the number of select records of  $[S]_i$  that have the same rollup keyvalue, and wherein the SAP business information system comprises a[[n]] SAP Executive Information System (EIS).

50. (Currently amended) The method of claim [[42]] 49, wherein the report relates to procurement data, and wherein the rollup records  $[R]_1, [R]_2, \dots, [R]_N$  include the procurement data.

51. (Original) The method of claim 50, wherein the procurement data is selected from the group

consisting of purchase order data, invoice data, and a combination thereof.

52. (Currently amended) The method of claim [[42]] 49, ~~wherein processing the Aspect file A<sub>i</sub>~~  
further includes comprising:

transmitting the Aspect file A<sub>i</sub> to the SAP business information system where the Aspect  
file A<sub>i</sub> becomes a Temp file T<sub>i</sub> having the rollup records [R]<sub>i</sub> for I = 1, 2, ..., and N<sub>i</sub>; ~~and wherein~~  
~~the method further comprises:~~

making a query to sum over the quantity field for a subset of the rollup records of the N  
Temp files in composite, wherein the subset is determined by the query, and wherein the query is  
adapted to being executed by a SAP module in the SAP computing environment; and

executing the query by the SAP module including returning a result of the query.

53. (Currently amended) A computer program product, comprising a computer usable medium  
having a computer readable program code embodied therein for generating a report by a reporting  
tool of a SAP business information system using data included within an Aspect file, said  
program code comprising a non-SAP bridge program adapted to generate the Aspect file through  
use of data derived from a dataset and to transmit the Aspect file to the SAP business information  
system, wherein the SAP business information system comprises an SAP Executive Information  
System (EIS).

54. (Currently amended) A computer program product, comprising a computer usable medium  
having a computer readable program code embodied therein for generating a report by a reporting

tool of a SAP business information system using data included within an Aspect file having rollup records, said program code comprising a non-SAP bridge program adapted to generate the Aspect file through use of data derived from a dataset and to transmit the Aspect file to the SAP business information system, said dataset having a keygroup, wherein to generate the Aspect file includes to roll up a portion of the dataset with respect to the keygroup, wherein each rollup record has a rollup field and a quantity field, wherein the rollup field stores a rollup keyvalue of the keygroup, and wherein the quantity field stores the number of dataset records that have the same rollup keyvalue, and wherein the SAP business information system comprises an SAP Executive Information System (EIS).

55. (Currently amended) A computer program product, comprising a computer usable medium having a computer readable program code embodied therein for generating a report by a reporting tool of a SAP business information system using and combining data included within N Aspect files  $A_1, A_2, \dots, A_N$  respectively having rollup records  $[R]_1, [R]_2, \dots, [R]_N$ , said N at least 2, said program code comprising at least one non-SAP bridge program adapted to respectively generate the N Aspect files through use of data derived from select records  $[S]_1, [S]_2, \dots, [S]_N$  of N datasets  $D_1, D_2, \dots, D_N$ , respectively, and to transmit the N Aspect files to the SAP business information system, said select records  $[S]_1, [S]_2, \dots, [S]_N$  having a common keygroup, wherein to generate the N Aspect files comprises, for  $I = 1, 2, \dots$ , and N:

to identify the select records  $[S]_i$  in accordance with selection rules applied to  $D_i$ ; and

to roll up the select records  $[S]_i$  with respect to the common keygroup, wherein the rollup records  $[R]_i$  corresponding to  $[S]_i$  have a rollup field and a quantity field, wherein the rollup field

stores a rollup keyvalue of the select records [S]<sub>i</sub>, and wherein the quantity field stores the number of select records of [S]<sub>i</sub> that have the same rollup keyvalue, and wherein the SAP business information system comprises an SAP Executive Information System (EIS).

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